



**FACULTY OF AGRICULTURAL TECHNOLOGY  
ANDALAS UNIVERSITY**

**INTERNATIONAL CONFERENCE ON  
SUSTAINABLE AGRICULTURE AND BIOSYSTEM  
(ICSAB)**

<http://conference.fateta.unand.ac.id/iscab2019>  
official email : icsab@ae.unand.ac.id

**THEME AND SUB-THEMES :**  
"Sustainable Agriculture and Biosystem in Industry  
Revolusi 4.0"

1. Precision Agriculture
2. Socio-economic Value Chain
3. Smart Technologies in Agricultural System
4. Organic Farming
5. Biosystem and Bioprocess
6. Land and Water Resources Management
7. Food Technology
8. Agro - Industrial Production System
9. Renewable Energy and Biorefereny

**12 - 13 November 2019**  
Kriyad Bumi Minang  
Padang - West Sumatera  
Indonesia

Abstract Deadline : 31 September 2019  
Abstract Announcement : 31 Oktober 2019  
Full Paper Submission : 07 November 2019

Papers will be published in IOP Proceeding and International Journal of Sustainable Agriculture and Biosystem (IJASAB)  
Selected Papers will be published in Scopus Index Journal (Q3) PERTANIKA

**Conference Fee:**  
Both of Oral and of Participant : 1,000,000 IDR  
Indonesian Student : 750,000 IDR  
Rekening Transfer : 027728145, a.n: Khandra Fahmi  
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**Contact Person:**  
Renny Eka Putri (+62 812 6640 7961)  
Ashadi Hasan (+62 812 7153 5905)

**KEYNOTE SPEAKERS :**  
Prof. Dr. Koheu Nakano (Gifu University - Japan)  
Assoc. Prof. Dr. Asmah Awal (UiTM - Malaysia)  
Dr. Feri Arlius, M.Sc (Universitas Andalas - Indonesia)  
Assoc. Prof. Dr. Pongphen Jitareerat (KMUTT - Thailand)  
Dr. Ho Thanh Binh (An Giang Univ. - Vietnam)

For Conference contact : Rahmi Awalina (+62 823 9063 5585)

Logos of Gifu University, Universitas Teknologi Mara, FKPT-TPI, Patpi, PERTANIKA, Bank Nagari, HKTI, and Universitas Andalas are displayed at the bottom.

Padang, Universitas Andalas melInternational Conference On Sustainable Agriculture and Biosystem (ICSAB) (Kriyad Bumi Minang, 12-13 November 2019). Seminar ini mengusung tema "Sustainable Agriculture and Biosystem In Industry Revolusi 4.0". meghadirkan keynote speaker Prof. Dr. Koheu Nakono (Gifu University), Assoc. Prof. Dr. Asmah Awal (UiTM Malaysia), Dr. Feri Arlius, M.Sc (Universitas Andalas), Assos. Prof. Dr. Pongohen Jitareerat (KMUTT Thailand), dan Dr. Ho Thanh Binh (An Giang University). Tanggal Penting: Penerimaan diterima terakhir tanggal 31 September. paper atau artikel dalam seminar ini akan diterbitkan pada IOP Proseding International Journal of Sustainable Agriculture and Biosystem (IJASAB). Artikel terpilih akan di publish pada jurnal terindek scopus (Q3) PERTANIKA.

Info lebih lengkap : CP Renny Eka Putri (+62 812 6640 7961)



**INTERNATIONAL CONFERENCE ON SUSTAINABLE  
AGRICULTURE AND BIOSYSTEM 2019**  
**Faculty of Agricultural Technology – Andalas University**  
**Campus Limau Manis Padang, West Sumatra, Indonesia**  
Website: <http://conference.fateta.unand.ac.id/icsab2019>  
Email: [icsab@ae.unand.ac.id](mailto:icsab@ae.unand.ac.id)



Nomor: 20/ICSAB/FATETA/2019

29 October 2019

Author(s) : Edi Erwan, Yunita Sari, Evi Irawati  
Institution : State Islamic University of Sultan Syarif Kasim Riau  
Paper Title : Inclusion different level of Papaya Leaf Flour(Carica papaya L) in Pellet ration on Performance in Broiler Chickens

Dear Author(s),

We are pleased to inform you that, your paper has been accepted for Oral presentation in the the International Conference on Sustainable Agriculture and Biosystem 2019 (ICSAB 2019). On behalf of the Organizing Committee, we would like to invite you to attend the ICSAB 2019, and present your paper/poster/. The Conference will be held on November 12-13, 2019 in the Kriad Bumi Minang Hotel, Padang West Sumatra Indonesian

Your full paper will be peer-reviewed after the conference date. You will be notified regarding the acceptance for publication in Journals/Proceeding, no later than Desember 2019. The accepted paper will be published through Journals and/or Proceeding

Thank you very much and looking forward to seeing you in Padang.



TIME	Food Technology	Precision Farming	Smart Technologies in Agriculture System	Organic Farming	Food Technology	Land and Water Resources
	BALLROOM	ROOM 1	ROOM 2	ROOM 3	ROOM 4	ROOM 5
	CHAIRPERSON : Dr. Ir. Rini B, MP	CHAIRPERSON : Ashadi Hasan, S.TP, M.Tech	CHAIRPERSON : Dr. Renny Eka Putri, S.TP, MP	CHAIRPERSON : Prof. Tuti Anggraini	CHAIRPERSON : Dr. Kurnia Dewi	CHAIRPERSON : Prof. Rusnam
	REVIEWER : Wenny Surya Murtius, S.Pt, MP	REVIEWER : Dr. Ifmalinda, S.TP, MP	REVIEWER : Prof. Dr. Ir. Santosa, MP	REVIEWER : Prof. Rina Yenrina	REVIEWER : Daimon Syukri, M.Si	REVIEWER : Ayendra Asmuti, MS
	Safety Evaluation of Lactobacillus plantarum Mut-7 using Polymerase Chain Reaction Based Technique	Inclusion different level of Papaya Leaf Flour(Carica papaya L) in Pellet ration on Performance in Broiler Chickens	Data acquisition of multiple sensors in greenhouse using Arduino platform	Identification of New Pests That Attack Corn Plants in Padang Pariaman District and Solok District, West Sumatra, Indonesia	The Potential and Characteristics of Dadiah Processed Into Nugget-Like Products with the addition of Cinnamon Flour (Cinnamomun burmanni)	Determination of Deoxygenation and Reoxygenation Rate of Mayang River in Garahan Village Krajan Until Sumberjati Village, Silo Sub District, Jember Regency Using The Streeter-Phelps Method
11.00-11.15	Dina Dwi Ratnasari, Arima Diah Setiowati Chusnul Hidayat (Gadjah Mada UNIVERSITY)	Siswoyo Soekarno ( University Of Jember)	Fadli Irsyad, Eri Gas Ekaputra, Delvi Yanti, Rahmi Awalina (Andlas University)	Vonny Indah Mutiara, Rika Hariance, Ami Sukma Utami (Andalas University)	D. Renate, Rusmainingsih (University Of Jambi)	Y Z Fadila, I Andriyani (University Of Jember)
	Effect of Preheating and Carragenan on Stability of Fortified Reconstituted Milk With Red Palm Oil	Technical and Feasibilty Analysis of Thresher Rental Business	Effect Of Harvest Time And High Of Rice Straw Cutting On The Amount Of Salibu Saplings	The Impact of Agricultural Incentive of Organic Certification Sustainability (a Case Study in West Sumatra, Indonesia)	Carbohydrat of Nipah Fruit as Starch Ingredient to enhance the Quality of Red Chili Sauce	The Impact of Land Use Change in Jompo Sub-watershed in Jember Regency
11.15-11.30	Evy Rossi Akhyar Ali , Raswen Efendi. Fajar Restuhadia, Yelmira Zalfiatri, Tengku Sa (University Of Riau)	Lady C. E. Ch. Lengkey, I Wayan Budiastara, Kudang B. Seminar, Dan Bambang S. Purwoko (Sam Ratulangi University)	Feri Arlius, Renny Eka Putri, Ashadi Hasan (Andalas University)	Sandra, Reny Eka Putri, Gunomo Djoyowasito, Satria Nata Wijaya (University Of Brawijaya)	Dego Yusa Ali, Dodyk Pranowo, Wenny Bakti Sunarharum, Yuniar Ponco Prananto, Chavia Zagita Larasati Tansil (University Of Brawijaya)	Nurhayani (Sumatra Utara University)
	Resistance of Encapsulated Lactobacillus acidophilus using Sago Starch and Alginate in Frozen Soyghurt	Determination of Chemical Properties in Jatropa Curcas L. Seed by Non Destructive and Quick Method Used Near-Infrared Reflectance Spectroscopy	The Effect Of Sonic Bloom On Plant Growth	Effect of Moisture Content on Some Physical and Mechanical Properties of 'Genjah Arum' Local Rice (Oryza sativa L) Variety in Banyuwangi	Optimization of Maltodextrin Concentration and Inlet Air Temperature on Sensory Atributes of Spray Dried Edamame Milk Powder (Glycine max (L.) Merr) and Its	Evaluation of Land Suitability Evaluation for Industrial Plants in Kotanopan District, Mandailing Natal District
11.30- 11.45	Erny J.N.Nurali, Thelma D.J Tuju Rawung, Elisabeth M.Meray (Sam Ratulangi University)	Eri Gas Ekaputra, Isril Berd, Feri Arlius, Delvi Yanti, Fadli Irsyad (Andalas University)	Bambang Susilo, Mochamad Bagus Hermanto, Arif Mujahidin, Gunomo	Iwan Taruna, Bambang Marhaenanto, Dian Purbasari (University Of Jember)	Deni Novia, IndriJuliarsi (Andalasa University)	Fajri Anugroho, Evi Kurniati, Zavira Riananda, Ashri Nuraini (University Of Brawijaya)

## 1. SCHEDULE OVERVIEW

<b>Day 1: Tuesday, November 12<sup>th</sup> 2019</b>		
<b>Time</b>	<b>Programme</b>	<b>Place</b>
08.00-09.00	Registration	Kyriad Bumi Minang
09.00-09.45	Opening remarks: 1. Chairman of Conference (Assoc. Prof. Dr. Khandra Fahmy) 2. Dean of Agricultural Technology Faculty (Assoc. Prof. Dr. Feri Arlius) 3. Rector of Andalas University (Prof. Dr. Tafdil Husni, SE, MBA)	
09.45-10.00	Press conference and coffee break	
09.45-11.55	Chairman: Prof. Dr. Ir. Novizar Nazir, M.Si Keynote Speech : 1. Prof. Dr. Kohei Nakano (Gifu University, Japan) 2. Assoc. Prof. Ts. Dr. Alawi (Universiti Teknologi MARA, Malaysia) 3. Assoc. Prof. Dr. Feri Arlius (Andalas University)	
11.55-12.00	1. Token of appreciation from the Vice Dean of Agricultural Technology Faculty 2. Photo Session	
12.00-13.00	Lunch Break	
13.30-18.00	Parallel Session	Parallel Rooms
14.00-18.00	<b>Executive Meeting-FKPTTPI</b>	Kyriad Bumi Minang
<b>Day 2: Wednesday, November 13<sup>th</sup> 2019</b>		
09.00-10.00	Chairman: Ashadi Hasan, M.Tech Keynote Speech: 1. Assoc. Prof. Dr. Pongpheen Jitareerat (KMUTT, Thailand) 2. Dr. Vu Thi Thanh Dao (An Giang University, Vietnam)	Kyriad Bumi Minang
10.00-10.15	1. Token of appreciation from The Chairman of Conference 3. Photo Session	
10.15-10.30	Coffee Break	
10.30-12.00	Parallel Session	Parallel Rooms
12.30-13.00	Lunch Break	Kyriad Bumi Minang
13.30-16.45	Parallel Session	
17.00-18.00	1. Announcement of the best presentation award 2. Award ceremony, presented by The Dean of	

	Agricultural Technology Faculty	
	3. Closing remarks	
<b>Day 3: Thursday, November 14<sup>th</sup> 2019</b>		
08.30-16.00	Optional One-day Tour: <ol style="list-style-type: none"> <li>1. Alahan Panjang (community learning and action center) - Batusangkar (Pagaruyung royal palace) - Bukittinggi</li> <li>2. Lembah Anai - Ombilin (ikan bilih) – Batusangkar (Pagaruyung royal palace) – Bukittinggi</li> <li>3. Mandeh</li> </ol>	

## 2. ORAL LIST

**TUESDAY, 12 TH NOVEMBER 2019**

### **PARALEL TECHNICAL SESSION I (14.00-17.30 WIB)**

TIME	Executive Meeting	Executive Meeting	Executive Meeting	Executive Meeting	Precision Farming	Smart Technologies in Agriculture System
	BALLROOM	ROOM 1	ROOM 2	ROOM 3	ROOM 4	ROOM 5
	CHAIRPERSON : Dr. Ir. Feri Arlius, MS	CHAIRPERSON : Prof. Dr. Ir. Santosa, MP	CHAIRPERSON : Prof. Dr. Ir. Kesuma Sayuti, MS	CHAIRPERSON : Dr. Ir. Alfi Asben, M.Si	CHAIRPERSON : Dr. Renny Eka Putri, S.TP, MP	CHAIRPERSON : Ashadi Hasan, S.TP, M.Tech
	NOTULEN : Dr. Ir. Hasbullah, MS	NOTULEN : Dr. Ifmalinda, S.TP, MP	NOTULEN : Dr. Ir. Rini B, MP	NOTULEN : Deivy Andhika Permata, S.Si, M.Si	REVIEWER : Ayendra Asmuti, M.Si	REVIEWER : Dr. Andasuryani, S.TP, M.Si
13.30- 13.45	FORUM DEKAN	Forum Teknik Pertanian	Forum Teknologi Hasil Pertanian	Forum Teknologi Industri Pertanian	Nurul Hafifa Kamdi, Nur Wajihah Mohd Nawi (UiTM)	Robert Molenaar, Freeke Pangkerego, Hildy Wullur (Sam Ratulangi University)
13.45- 14.00					Acceptance and Application of Different Management Practices for Weedy Rice Control Among Small Scale Farmers: An Approach of Ensuring Sustainable Paddy Production in Malaysia	The Design And Construction Of A Configurable Ecosystem Simulation Workbench
					Edward Saleh, R.H. Purnomo (Sriwijaya University)	Musthofa Lutfi, Lita Puspita R. Perdana, Gunomo Djoyowasito, Sandra Sandra (University Of Brawijaya)
					Polder System for Paddy Field Rice Management in Swamp Lowland	Application of Colour Measurement CIE L a* b* for Quality Characteristics of Manalagi Apple (Malus sylvestris) Packed in Organic Packaging
14.00-14.15					Nalwida Rozen, Musliar Kasim, Aswaldi Anwar (Andalas University)	Andri Kusmayadi (Perjuangan University)

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					Biochemical Test Of Rice Seeds ( <i>Oryza Sativa</i> L.) That Have Been Invigored	Formulation of Microencapsulation Products of Mangosteen Peel Extract Encapsulated by Maltodextrin from Arenga Starch on Moisture Content, Fungus Distribution and Total Xanthone During Storage
14.15-14.30					Kiki Fibrianto, Brigitta Stefany Muliadi, Cynthia Amelia Tedja, Ariyanti Hartari (University Of Brawijaya)	Chalida Chimvaree, Racha Tepsorn, Suriyan Supapvanich, Chalermchai Wongs-Aree, Varit Srilaong Panida Boonyariththongchai (King Monkut's Institute of Technology Ladkrabang)
					Brewing characterization for optimum functional properties of Dampit Robusta ( <i>Coffea canephora</i> ) and Liberica ( <i>Coffea Liberica</i> ) Coffee Leaf Tea	Encapsulation of cinnamaldehyde from cinnamon essential oils in cyclodextrin
14.30-14.45					Teguh Haria Aditia Putra, Aprisal, Bujang Rusman, Bambang Istijono (Andalas University)	Enggar Apriyanto, Vera Tania, Sigit Sudjarmiko, Agus Susatya (Bengkulu University)
					Analysis Vegetation Density and Illegal Logging To Support Land Resource Management In The Kuranji Watershed	The effect of oil palm mesocarp fruit fibers waste block as ameliorant on the growth of nyamplung ( <i>Calophyllum innophyllum</i> ) in the sandy soil
14.45-15.00					Rusmin Nuryadin Edy , Suryadi Dwi Rustam Kendarto (Padjadjaran University)	Oki Wijaya, Afrio Darmawan, Marbudi , Muhammad Nabil Dhiyaulhaq Dzikrulloh (Universitas Muhammadiyah Yogyakarta)
					Analysis Plan of Land Utilization and Land Suitability for Paddy Field in Central Maluku District Seram Island, Maluku	Smart Bunker: An Innovative Pasteurization Technology for Increasing the Oyster Mushroom Productivity
15.00-15.15					Suhardi, Ahmad Munir, Muhammad Tahir Sapsal (Hasanuddin University)	Yuerlita, Helmi, Ami Sukma Utami (Andalas University)

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					Optimization of Soil Moisture Conservation Technology to Reduce Impact of Dry Season on Cacao Plants Production	Indicative Issues for Improving Irrigation Management in the Context of SDGs: Case of Irrigation System in Lubuk Sikarah Sub-district, Solok City, West Sumatera
15.15-15.30					Yusuf Hendrawan*, Tuti Ramadhani Fauziah, Angky Wahyu Putranto, Bambang Dwi Argo (University Of Brawijaya)	Siti Amalina Mohd Sairi, Samihah Mustaffsha (Universiti teknologi mara malaysia)
					Modeling and optimization of tensile strength of Arrowroot bioplastic using response surface method	Comparative Study of Three Rice Brands Quality Through Measuring Broken Rice Percentage using Sortex A ColorVision (Buhler) Optical Sorters
15.30-15.45					Ananto, Nofrita Sandi (STIPER Sawahlunto Sijunjung)	Z Iqbal, M A Kamal, F D Effendi, B Manggala, T M Simaremare (University Of Brawijaya)
					Models and Techniques of Automatic Humidity Temperature setting on Oyster Mushrooms Using Digital Skylite.	Development of Rapid Prediction Model for Lard Adulteration Detection by Using the UV/Vis Spectroscopy Combined with Chemometrics
15.45-16.00					Food Technology	R Saputra, T Arwiyanto, A Wibowo (University Of Riau)
					T W Siregar, Z Iubis, E Julianti (Sumatera Utara University)	Biological control of Ralstonia solanacearum causes of bacterial wilt disease with Pseudomonas putida and Streptomyces spp. on some tomato varieties
					Effectiveness Test of Red Dragon Fruit Skin (Hylocereus costaricensis, Jack) as Natural Preservation for Nila Fish (Oreochromis niloticus)	
16.00-16.15					Nur rohman, Sumardianto, Romadhan (Diponegoro University)	Fajar Restuhadi, Yelmira Zalfiatri, Angelia (University Of Riau)



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					Identification and Characterization of Lactic Acid Bacteria (LAB) Isolated from Bekasam Processed with Salt Different Levels	Processing of Palm Oil Mill Effluent (POME) Using Mutualism Symbiosis Technology Between Microalgae (Chlorellasp.) and Agrobost
16.15-16.30					Herlina, Giyarto, Lisa Lutfiatul Fatimah (University Of Jember)	Neswati (Andalas University)
16.30-16.45					Characterization of Sweet Bread Method of Frozen Dough on Various Concentrations of Glucomanan Flour from Gembili Tuber (Dioscorea Esculenta L.)	Hydrogen Cyanide Detoxification on Rubber Seed by Ultrasonic Waves and the Process of Neutralization in Crude Rubber Seed Oil
					Fidela Violalita, Evawati, Syuryani Syahrul, Henny Fitri Yanti, Khandra Fahmy (Agricultural Polytechnic of Payakumbuh)	Ardianto, Muhammad Makky, Andasuryani, Dinah Cherie (Andalas University)
					Characteristics of Gluten-Free Wet Noodles Substituted with Soy Flour	Studi Daya Dan Suhu Proses Sterilisasi Tandan Buah Sawit Menggunakan Prinsip Gelombang Elektromagnetik (Microwave)
16.45-17.00					M. Tanifal, S. Melia, I. Juliarsi (Andalas University)	Dwi Anggraini, Kurnia Harlina, Wuri Marsigit (Andalas University)
					Characterization of Edible Film Whey with Addition of Curcuma Extract (Curcuma domestica Val.) on Moisture, Water Vapor Absorption Solubility Time and Antioxidant	The Physical, Chemical and Organoleptic Quality Changes of Chili Blocks at Varying Secondary Packaging and Storage Temperature
					Risa Meutia Fiana (Andalas University)	Raswen Efendi, Fajar Restuhadi, Elsa Novitasari (University Of Riau)
17.00-17.15					The Effect of Glycerol Concentration on Physical and Antibacterial Properties of Corn Starch-Based Edible Film with Yogurt Addition	Aplication of Accelerated Shelf Life Test (ASLT) Arrhenius Model in Shelf Life Estimation of Wajik Packed with Oil Paper and Tapioca Edible Film

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17.15-17.30					Siti Nurdjanah, Susilawati, Otik Nawansih, Nurbaity (University Of Lampung)	Vonny Setiaries Johan, Dewi Fortuna Ayu, Hijratun Amini (University Of Riau)
					Physico-Chemical and Sensory Properties of Kelanting Made From High Quality Cassava Flour	Effect of Extract Alpinia Purpurata K. Schum in Sago Edible Coating for Malang Apple Slice
17.30-17.45					Cesar Welya Refdi, Wenny Surya Murtius (Andalas University)	Sandra, Retno Damayanti, Zumarul Inayah (University of Brawijaya)
					Physicochemical and Functional Characteristics of Roasted Rice Flour (Tapuang Bareh Randang) from West Sumatera	Nitrogen Fertilizer Content Prediction of Maize Plant with Tcs3200 Sensor Based on Digital Image Processing
17.45-18.00					Rahmayuni, Farida Hanum Hamzah, Retno Saputra (University Of Riau)	Irriwad Putri, Rusnam ( Andalas University)
					Effect of Glycerol on Physical and Mechanical Properties of Acetylated Sago Starch Edible Films	Characterization of the Green Pointer Laser Beam Value on Various Background Colors and Intensity



**WEDNESDAY, 13 TH NOVEMBER 2019**

**PARALEL TECHNICAL SESSION II (10.30-12.00 WIB)**

TIME	Food Technology	Precision Farming	Smart Technologies in Agriculture System	Organic Farming	Food Technology	Land and Water Resources
	BALLROOM	ROOM 1	ROOM 2	ROOM 3	ROOM 4	ROOM 5
	CHAIRPERSON : Dr. Ir. Rini B, MP	CHAIRPERSON : Ashadi Hasan, S.TP, M.Tech	CHAIRPERSON : Dr. Renny Eka Putri, S.TP, MP	CHAIRPERSON : Prof. Tuti Anggraini	CHAIRPERSON : Dr. Kurnia Dewi	CHAIRPERSON : Prof. Rusnam
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10.30- 10.45	Dewi Fortuna Ayu, Oscar Sasmita Rumengan, Usman Pato (University Of Riau)	Siti Nur Kholifah, Marga Mandala, Indarto Indarto, Bayu Taruna Wijaya ( University Of Jember)	Yosefina Mangera, Imam Hanafi Aditya Saputra (Musamus Merauke University)	Siti M. Abdul Rahman, Lumbanraja, Ellis, R.H (University Teknologi Mara Kampus Jasin)	Amalia, R.A., B.R Firly, B.A Simamora, N Sakinah, T. Rialita, G.L. Utama (Padjadjaran University)	Muhammad Nuruddin bin Mohd Nor (University Teknologi Mara (UiTM)
	Combination of Pinneapple and Okra on Chemical and Sensory Characteristics of Fruit Leather	Using Sentinel-2A for Mapping of Marginal Agricultural Land	Design of Ergonomic Durian Splitting Tool	Temporal Sensitivity of Rice Seed (cv. Gleva) Quality to Environmental Stress	Determination of Critical Point of Damage to Chicken Fillet Using Polyethylene Packaging at $\pm 4^{\circ}\text{C}$ Storage Temperature	Isolation and Characterization of Effective Microorganism from Oil Palm Rhizophoric Soil and Evaluation of Their Potential as Biofertiliser
10.45-11.00	Emma Riftyan, Tyas Utami, Jaka Widada, Endang S Rahayu (University Of Riau)	Edi Erwan, Yunita Sari, Evi Irawati (State Islamic University of Sultan Syarif Kasim Riau)	Ichwana, Indera Sakti Nasution, Sri Sundari, Nadiatul Rifky (Syiah Kuala University)	Silvia Permata Sari, Irfan Suliansyah, Novri Nelly, Hasmiany Hamid (Andalas University)	Afriani Sandra, Endang Purwati, Muhammad Andri Hasibuan (Andalas University)	Sri Wahyuningsih, Elida Novita, Mardhatillah Arum Annisa (University Of Jember)

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	CHAIRPERSON : Dr. Ir. Rini B, MP	CHAIRPERSON : Ashadi Hasan, S.TP, M.Tech	CHAIRPERSON : Dr. Renny Eka Putri, S.TP, MP	CHAIRPERSON : Prof. Tuti Anggraini	CHAIRPERSON : Dr. Kurnia Dewi	CHAIRPERSON : Prof. Rusnam
	REVIEWER : Wenny Surya Murtius, S.Pt, MP	REVIEWER : Dr. Ifmalinda, S.TP, MP	REVIEWER : Prof. Dr. Ir. Santosa, MP	REVIEWER : Prof. Rina Yenrina	REVIEWER : Daimon Syukri, M.Si	REVIEWER : Ayendra Asmuti, MS
	Safety Evaluation of Lactobacillus plantarum Mut-7 using Polymerase Chain Reaction Based Technique	Inclusion different level of Papaya Leaf Flour(Carica papaya L) in Pellet ration on Performance in Broiler Chickens	Data acquisition of multiple sensors in greenhouse using Arduino platform	Identification of New Pests That Attack Corn Plants in Padang Pariaman District and Solok District, West Sumatra, Indonesia	The Potential and Characteristics of Dadiah Processed Into Nugget-Like Products with the addition of Cinnamon Flour (Cinnamomun burmanni)	Determination of Deoxygenation and Reoxygenation Rate of Mayang River in Garahan Village Krajan Until Sumberjati Village, Silo Sub District, Jember Regency Using The Streeter-Phelps Method
11.00-11.15	Dina Dwi Ratnasari, Arima Diah Setiowati Chusnul Hidayat (Gadjah Mada UNIVERSITY)	Siswoyo Soekarno ( University Of Jember)	Fadli Irsyad, Eri Gas Ekaputra, Delvi Yanti, Rahmi Awalina (Andlas University)	Vonny Indah Mutiara, Rika Hariance, Ami Sukma Utami (Andalas University)	D. Renate, Rusmainingsih (University Of Jambi)	Y Z Fadila, I Andriyani (University Of Jember)
	Effect of Preheating and Carragenan on Stability of Fortified Reconstituted Milk With Red Palm Oil	Technical and Feasibilty Analysis of Thresher Rental Business	Effect Of Harvest Time And High Of Rice Straw Cutting On The Amount Of Salibu Saplings	The Impact of Agricultural Incentive of Organic Certification Sustainability (a Case Study in West Sumatra, Indonesia)	Carbohydrat of Nipah Fruit as Starch Ingredient to enhance the Quality of Red Chili Sauce	The Impact of Land Use Change in Jompo Sub-watershed in Jember Regency
11.15-11.30	Evy Rossi Akhyar Ali , Raswen Efendi. Fajar Restuhadia, Yelmira Zalfiatri, Tengku Sa (University Of Riau)	Lady C. E. Ch. Lengkey, I Wayan Budiastra, Kudang B. Seminar, Dan Bambang S. Purwoko (Sam Ratulangi University)	Feri Arlius, Renny Eka Putri, Ashadi Hasan (Andalas University)	Sandra, Reny Eka Putri, Gunomo Djoyowasito, Satria Nata Wijaya (University Of Brawijaya)	Dego Yusa Ali, Dodyk Pranowo, Wenny Bakti Sunarharum, Yuniar Ponco Prananto, Chavia Zagita Larasati Tansil (University Of Brawijaya)	Nurhayani (Sumatra Utara University)
	Resistance of Encapsulated Lactobacillus acidophilus using Sago Starch and Alginate in Frozen Soyghurt	Determination of Chemical Properties in Jatropa Curcas L. Seed by Non Destructive and Quick Method Used Near-Infrared Reflectance Spectroscopy	The Effect Of Sonic Bloom On Plant Growth	Effect of Moisture Content on Some Physical and Mechanical Properties of 'Genjah Arum' Local Rice (Oryza sativa L) Variety in Banyuwangi	Optimization of Maltodextrin Concentration and Inlet Air Temperature on Sensory Atributes of Spray Dried Edamame Milk Powder (Glycine max (L.) Merr) and Its	Evaluation of Land Suitability Evaluation for Industrial Plants in Kotanopan District, Mandailing Natal District
11.30- 11.45	Erny J.N.Nurali, Thelma D.J Tuju Rawung, Elisabeth M.Meray (Sam Ratulangi University)	Eri Gas Ekaputra, Isril Berd, Feri Arlius, Delvi Yanti, Fadli Irsyad (Andalas University)	Bambang Susilo, Mochamad Bagus Hermanto, Arif Mujahidin, Gunomo	Iwan Taruna, Bambang Marhaenanto, Dian Purbasari (University Of Jember)	Deni Novia, IndriJuliarsi (Andalasa University)	Fajri Anugroho, Evi Kurniati, Zavira Riananda, Ashri Nuraini (University Of Brawijaya)

TIME	Food Technology	Precision Farming	Smart Technologies in Agriculture System	Organic Farming	Food Technology	Land and Water Resources
	BALLROOM	ROOM 1	ROOM 2	ROOM 3	ROOM 4	ROOM 5
	CHAIRPERSON : Dr. Ir. Rini B, MP	CHAIRPERSON : Ashadi Hasan, S.TP, M.Tech	CHAIRPERSON : Dr. Renny Eka Putri, S.TP, MP	CHAIRPERSON : Prof. Tuti Anggraini	CHAIRPERSON : Dr. Kurnia Dewi	CHAIRPERSON : Prof. Rusnam
	REVIEWER : Wenny Surya Murtius, S.Pt, MP	REVIEWER : Dr. Ifmalinda, S.TP, MP	REVIEWER : Prof. Dr. Ir. Santosa, MP	REVIEWER : Prof. Rina Yenrina	REVIEWER : Daimon Syukri, M.Si	REVIEWER : Ayendra Asmuti, MS
			Djoyowasito, Retno Damayanti (University Of Brawijaya)			
	The Chemical Composition of Gluten Free Casein Free Snack Bars Made from Goroho Plantain (Musa Acuminata, Sp) and Gedi Leaves (Abelmoschus Manihot L.)	Cropping Patterns Inventory Of West Sumatera Province Based On Modis Image Data	Performance of Drying Machine with Air Dehumidifying Process for Sweet Corn Seed (Zea mays saccharata)	Varietal Effect on Engineering Properties and Proximate Composition of Organic Rice in Eastern Java Indonesia	Physicochemical, Microbiology Characteristics and Acceptance of Fermentation Ducks Eggs Based Indigenous Micro-Organisms (IMO) from Elephant Grass (Pennisetum purpureum)	Phytoextraction of Heavy Metal Cu and Cr from Chemical Contaminated Soil Using Vetiveria zizanioides Throughout the Plant Growth and Their Accumulations
11.45-12.00	A Asben , W S Murtius, A Rifka (Andalas University)	Renny Eka Putri, Santosa, Givoni Amelia Cahyani, Khandra Fahmi, Feri Arlius, Ashadi Hasan (Andalas University)	Ayendra Asmuti, Agita Tjandra (Andalas University)	Smart Technologies in Agriculture System	Farida Hanum Hamzah, Netti Herawati, Ayu Sriwulandari (University Of Riau)	Fadli Irsyad, Feri Arlius, Eri Gas Ekaputra, Nabila Putri (Andalas University)
	Antioxidant Activity and Lovastatin Content in Garaetteok (Korean Rice Cake) with Angkak Powder as Food Colouring	Comparison of Total Energy Requirement for Several Harvesting Method of Indonesian Farmers	Land Creations and Farming System for Increase the Rice Productivity and Farmer's Income (Case Study in Batang Tampo Irrigation System - Lintau Buo)	N R Yanti, F Arlius, Rusnam, I Berd, E G Ekaputra, S A Setyoningrum (Andalas University)		
				Geoelectrical Investigation the Depth of Groundwater Potential for Irrigation of Paddy Fields	Utilizatiaon of Pedada Fruit and Api-Api Fruit in Making Fruit Leather	The Area of Land and Water Conservation Analysis of the Padang City with SWAT Aplication (Case Study: Arau and Kuranji Watershed)

### PARALEL TECHNICAL SESSION III (13.30-16.45 WIB)

TIME	Biosystem dan Bio Proses	Food Technology	Agro - Industrial Production System	Socio Economic Value chain and agricultural System	Biosystem dan Bio Proses	Renewable Energy and Biorefinery
	BALLROOM	ROOM 1	ROOM 2	ROOM 3	ROOM 4	ROOM 5
	CHAIRPERSON : Dr. Azrifirwan	CHAIRPERSON : Prof. Tuti Angraini	CHAIRPERSON : Ashadi Hasan, S.TP, M.Tech	CHAIRPERSON : Dr. Kurnia Dewi	CHAIRPERSON : Dr. Eng. M. Makky	CHAIRPERSON : Dr. Eng Moh. Agita Tjandra
	REVIEWER : Dr. Alfi Asben	REVIEWER : Prof. Rina Yenrina	REVIEWER : Prof. Dr. Ir. Santosa, MP	REVIEWER : Daimon Syukri, M.Si	REVIEWER : Ismet, M.Si	REVIEWER : Ayendra Asmuti, MS
13.30- 13.45	La Choviya Hawa, Bambang Susilo, Kisma Ninuk Nur Aini, Dewi Maya Maharani (University Of Brawijaya)	Mimi Harni, Sri Kembaryanti Putri, Gusmalini (Politeknik Negeri Payakumbuh)	RinceAlfia Fadri, Kesuma Sayuti, Novizar Nazir, Irfan Suliansyah (Andalas University)	Jelliani, Raidayani (Teuku Umar University)	Angga Pramana, Purnama Darmadji, M. Nur Cahyanto (University Of Riau)	Budiyanto, Devi Silsia, Habieb Febriansyah (University Of Bengkulu)
	The Characteristics of Moisture Sorption Isotherm and Isotheric Heat in Cabya (Piper retrofractum Vahl.) Powder	Sensory Characteristic of Cassava Using (Manihot utilisima) in the Making of Kwetiau	Evaluation of Seed Size, Caffeine Content, and Quality Taste of West Sumatera Arabica Coffee	Analysis of Value Chain and Market Structure of Nutmeg Marketing in South Aceh District	Effect of Processing Temperature on Lignin Isolation from Palm Kernel Shell using Acetic Acid and Formic Acid by Organosolv Method	Vitamin A fortification through the substitution of Red Palm Olein Oil (RPOO) in Instant Vermicelli Oil Seasoning
13.45- 14.00	Indah Pertiwi Mardani Nasution, Khandra Fahmy, Andasuryani, Daimon Syukri, Kohei Nakano, Teppei Immaizumi (Andalas University)	Nanda Triandita, Nela Eska Putri (Teuku Umar University)	Rahmi Wati, Amna Suresti, Tevina Edwin (Andalas University)	Agustinur, Sumeinika Fitria Lizmah, Muhammad Sarong (Teuku Umar University)	Estri Laras Arumingtyas, Rifa Salsabila Khasan, Nurlissa Aprilliani (Brawijaya University)	Yusuf Hendrawan, Tuti Ramadhani Fauziah, Angky Wahyu Putranto, Bambang Dwi Argo (University Of Brawijaya)
	Screening the Quality of Coconut Oil Heated on Several Temperatures by Liquid Chromatograph Mass Spectrometry	Proximate Composition and Glycaemic Index of Cookies from Corn Flour Mixed Black Soybean	Performance Analysis of Milk Processing Units to Support Competitive Improvement of the Milk Processing Industry in Padang Panjang City, West Sumatera Province	Diversity of Insect Pest in Monoculture and Polyculture Nutmeg (Myristica fragrans Houtt.) Plantation in South Aceh District	Genetic Analysis of G1 / 01 Chili Pepper Based on Morphological, Physiological and Molecular Characteristics	Modeling and Optimization of Ttensile Strength of Arrowroot Bioplastic using Response Surface Method
14.00-14.15	Mardiah Sumi Fitri Andini, Tiana Fitrilia, Sri Widowati (Djuanda University)	Triana Lindriati, Lusianti Lusianti, Herlina Herlina (University Of Jember)	Retno Astuti, Ivana Thessalona, Danang Triagus Setiyawan (University Of Brawijaya)	Budy Wiryono, Harry Irawan Johari (UMMAT)	Purwayantie, S, Sediawan, W, B (University Of Tanjung Pura)	Mursalin, Sahrial, Yernisa (University Of Jambi)
	Physicochemical Properties and $\beta$ -Carotenes of Three Varieties of Pumpkin Flour (Cucurbita sp)	Developing Meat Extender Properties by Addition of Taro (Xanthosoma sagittifolium) or Konjac (Amorphophallus onchiphallus) Flour on Isolated Soy Protein Extrudate	The Product Quality Improvement: An Example from a Rice Milling in Indonesia	Study on Development of Independent Rice Mile Unit (IRMU) in Central Lombok District	Evaluation of Membrane Filtration Stepwise Performances to Separate of Phenolic Compounds from Albertisia papuana Becc. Leaves inThe Aspect ofAntioxidant Activity	Application of MDAG from Fully Hydrogenated Palm Kernel Oilon Making of Icing Sugar and B38Cake

TIME	Biosystem dan Bio Proses	Food Technology	Agro - Industrial Production System	Socio Economic Value chain and agricultural System	Biosystem dan Bio Proses	Renewable Energy and Biorefinery
	BALLROOM	ROOM 1	ROOM 2	ROOM 3	ROOM 4	ROOM 5
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	REVIEWER : Dr. Alfi Asben	REVIEWER : Prof. Rina Yenrina	REVIEWER : Prof. Dr. Ir. Santosa, MP	REVIEWER : Daimon Syukri, M.Si	REVIEWER : Ismet, M.Si	REVIEWER : Ayendra Asmuti, MS
14.15-14.30	Joni Kusnadi, Apsari Kurniawati Utami, Erryana Martati, Estri Laras Arumingtyas (University Of Brawijaya)	RTK Dewi, H Fadhillatunnur ( Prasetiya Mulya University)	W. Amilia; A.S. Rusdianto; M. E. Prasesa (University Of Jember)	Caroline B.D. Pakasi (Sam Ratu Lagi University)	Satrijo Saloko, Dody Handito, Murad and Nur'aida Apriani (Mataram University)	Aisman, Novizar Nazir, Rika Ampuh, Santosa, Fauzan Azima (Andalas University)
	Effect of Soaking with Lime (Citrus aurantiiifolia) and Tamarind (Tamarindus indica) Extracts after Water Blanching to Quality of Hot Chili (Capsicum frutescens L.) Powder	Determination of Mineral Content and Total Bacterial Count of Moringa Leaf Powder with Various Drying Methods	The Application of Internet of Things (IoT) on Edamame Distribution Processes for Estimating Quality Changes	Value Chain Analysis For Shallot (Allium cepa L) Commodity in Minahasa Regency North Sulawesi Province	The Effect of Addition Papaya Leaf Extract (Carica papaya L.) on Reducing Caffeine in Robusta Coffee (Coffea robusta)	Analysis of Biomass Characteristics and Calorie Value of Different Types of Bamboo Around the Gumanti River Lembah Gumanti Sub-District and Hiliran Gumanti Sub-District
14.30-14.45	U Ulyarti,N Nazarudin, Surhaini, Lisani, R Ramadon (University Of Jambi)	Teti Estiasih, Irawati, Dessy Eka Kuliahsari, Vindhya Tri Widayanti (University Of Brawijaya)	Widodo, Oki Wijaya, Dwijoko Purbohadi (Muhammadiyah Yogyakarta University)	Dedet Deperiky,Santosa , Rika Ampuh Hadiguna, Nofialdi (Andalas University)	Zita Letviany Sarungallo, Budi Santoso, Mathelda K. Roren, Ester Papuani Yantewo, Yunita (Papua University)	Land and Water Resources
	Cassava Starch Edible Film with Addition of Gelatine or Modified Cassava Starch	Increasing Health Benefits of Wild Yam (Dioscorea hispida) Tuber by Red Mold (Angkak) Fermentation	Impact of Online Innovation Towards Marketing Performance of Small Medium Enterprise of Processed Food	Managerial of Supply Chain Collaboration : Literature Review Study	Effect of Emulsifier on Physicochemical Properties and Stability of Mayonnaise from Red Fruit (Pandanus conoideus Lamk) Oil	B C Jatmiko, I Andriyani (University Of Jember)
14.45-15.00	Sony Suwasono, Nurul Nofiyanti, Jayus, Giyarto (University Of Jember)	Novelina, Novizar Nazir, Risa Meutia Fiana, Dwi Fitri Yarni (Andalas University)	Hasbullah (Andalas University)	Endah Rahayu Lestari, Hanifa Kirana Putri Utama (Brawijaya University)	Sony Suwasono, Nurul Nofiyanti, Jayus, Giyarto (University Of Jember)	Bayu Dwi Apri Nugroho, Reza Kusuma Nurrohman, Putu Sudira (University Of Gajah Mada)
	Antimicrobial Activities of Water And Ethanolic Extracts of Inferior Na-Oogst Tobacco Leaf Against Streptococcus mutans and Candida albicans	Characteristics of Probiotic Drinking Fermentation of Yellow Pumpkin (Cucurbita moschata) with Variation of Milk Powder	Study of Tempeh Production from Soy Peels People	Antecedents of Attitude Toward Green Products and its Impact on Purchase Intention	Antimicrobial Activities of Water And Ethanolic Extracts of Inferior Na-Oogst Tobacco Leaf Against Streptococcus mutans and Candida albicans	Relationships among Global Climate Indices and Rainfall Pattern to Detect Impact of Environmental Change in Yogyakarta Special Region, Indonesia
15.00-15.15	Tejasari Tejasari, Sih Yuwanti, Giyarto, Oryza Krisna Wiwata (University Of Jember)	Maya Indra Rasyid, Hilka Yuliani (Teuku Umar University)	A. S Rusdianto; W. Amilia; Udhma Al Amanah (University Of Jember)	Jenitra Milan Petrina, Fariz Kustiawan Alfariisy , Idah Andriyani, Luh Putu Suciati (University Of Riau)	Daimon Syukri, Ismed, Vioni Derosya (Andalas University)	Irwan Taslapratama, Nabilla Dwi Restu Nurullah, Dewi Ananda Mucra (Islam Negeri Sultan Syarif Kasim Riau University)



TIME	Biosystem dan Bio Proses	Food Technology	Agro - Industrial Production System	Socio Economic Value chain and agricultural System	Biosystem dan Bio Proses	Renewable Energy and Biorefinery
	BALLROOM	ROOM 1	ROOM 2	ROOM 3	ROOM 4	ROOM 5
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	REVIEWER : Dr. Alfi Asben	REVIEWER : Prof. Rina Yenrina	REVIEWER : Prof. Dr. Ir. Santosa, MP	REVIEWER : Daimon Syukri, M.Si	REVIEWER : Ismet, M.Si	REVIEWER : Ayendra Asmuti, MS
	Angiotensin-1 Converting Enzyme (ACE-1) Inhibitory Activity of Peptide Salt Formulated From Protein Hydrolysate of Two Beans Combination	Toxicity Test LC50 of Pineung Nyen Teusalee Seeds (Areca catechu) Extract by Brine Shrimp Lethality Test (BSLT) Methode	Application of Polysaccharides Based Edible Coating as An Effort of Minimizing Postharvest Damage of Harumanis Mango (Mangifera indica L.)	The Impacts of Change Forests into Agricultural Land to Social Economic Conditions Society in the Upstream of Bedadung Watershed Jember Regency	Heat-resistant Anthocyanin from the Fruits of Ficus Aurata	Phytoremediation of Pb Heavy Metal Contaminated Soil using Sun Flower Plants
15.15-15.30	Eva Achmad, Mursalin, Ardi Novra (University of Jambi)	H Fadhilatunnur , Fransisca, RTK Dewi (IPB University)	Iffan Maflahah, Budisantoso Wirjodirdjo, Putu Dana Karningsih (University of Trunojoyo Madura)	Siti Asmaul Mustaniroh, Nadya Prabaningtias, Ardhaneswari DP Citraresmi (University Of Brawijaya)	Wenny Surya Murtius, Risa Meutia Fiana (Andalas University)	Luhur Akbar Devianto, Akhmad Adi Sulianto, Yusuf Wibisono (University Of Brawijaya)
	Effectiveness of Citronella Oil Distiller Steam Method with One and Two Fumaces	Evaluation of Protein Digestibility of Moringa oleifera Leaves with Domestic Cooking	Identification of Salt Development Problem a Preliminary on Understanding Local Salt Problem in Indonesia	Analysis of Business Development Strategies with Business Model Canvas Approach	Effect of Substrate Size on Lipase Characterization Isolated from Bacillus thuringiensis	Forward Osmosis for Fertigation and Water Supply : Prospect and challenges Application in Indonesia
15.30-15.45	Edo Saputra, Santosa, Andasuryani (Andalas University)	Kesuma Sayuti, Rina Yenrina, Yosi Febri (AndaLas University)	Ida Indrayani, Andri, Tevina Edwin (Andalas University)	Azrifirwan, Eri Gas Ekaputra, Juan Thomas Dachi (Andalas University)	Rini, Tuty Anggraini, Nia Boru Ritonga (Andalas University)	Sri Wahyuningsih, Elida Novita, Mardhatillah Arum Annisa (University Of Jember)
	The Application of Kinetin to Lengthen Shelf-Life of Red Chilli (Capsicum annum L.) with Different Kind of Packaging	Characteristic Analogue Jerky of Moringa Leaves (Moringa oleifera L) with Tapioca Flour	Sustainability Analysis of Beef Cattle Fattening Farming in Pesisir Selatan Regency	Model of determining the rice production centers with computing; case study in West Sumatra	Making of VCO Raw Materials Skin Made with Additions of Natural Materials	Determination of Deoxygenation and Reoxygenation Rate of Mayang River in Garahan Village Krajan Until Sumberjati Village, Silo Sub District, Jember Regency Using The Streeter-Phelps Method
15.45-16.00	NY Eka, Dewi H, D Taufik, S Ani, (Institut Teknologi Sumater)	Isak Silamba, Ridwan Hasanuddin, Angela M.P. Dewi (Papua University)	Jasmi Jalil, Nana Ariska (Teuku Umar University)	Agro - Industrial Production System	Khandra Fahmy, Ashadi Hasan, Ifmalinda, Husniati Marni (Andalas University)	Y Z Fadila, I Andriyani (University Of Jember)
	A System Analysis and Design Process of Cationic Surfactant Based on Palm Oil	Sensory and Proximate Composition of Smoked Yellow Fin Tuna (Thunnus albacares) Using Selected Herbs as Flavor Enhancer	Viability Test And Breeding Growth On Polyembryoni Seeds	H Saputra, Y Bindar, R Gusvita (Institut Teknologi Sumatera)	Optimal design of modified atmosphere packaging for maintaining quality of chili	The Impact of Land Use Change in Jompo Sub-watershed in Jember Regency
16.00-16.15	Fitry Tafzi, Addison Nizori , Indriyani (University Of Jambi)	Irwan Roza, Evawati , Rince Alfia Fadri , Gusmalini, Yulismawati (Politeknik Pertanian Negeri)	Khoirul Hidayat , Asfan, Utsman Affan Nursiyam (Trunojoyo University)	RECABRO (Combination of Resin, Cassava and Brown Sugar) as a Room Temperature Batik Wax	Andasuryani, Ifmalinda (Andalas University)	Shinta Elystia, Ayu Eka Putri, Edward HS (University Of Riau)

TIME	Biosystem dan Bio Proses	Food Technology	Agro - Industrial Production System	Socio Economic Value chain and agricultural System	Biosystem dan Bio Proses	Renewable Energy and Biorefinery
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	REVIEWER : Dr. Alfi Asben	REVIEWER : Prof. Rina Yenrina	REVIEWER : Prof. Dr. Ir. Santosa, MP	REVIEWER : Daimon Syukri, M.Si	REVIEWER : Ismet, M.Si	REVIEWER : Ayendra Asmuti, MS
		Payakumbuh)		Anwar Kasim, Deivy Andika Permata (Andalas University)		
	In vitro Anti-Breast Cancer Activity of Stem Bark Extract of Duku (Lansium domesticum)	Analysis of Instant Fruitghurt Quality Based on Mangosteen Skin (Garcinia mangostana L) with Various Concentrations of Maltodextrin and Dry Temperature Levels	Designing Instant Corn Rice Using the Product Design Phase of Quality Function Deployment	The Characteristics of Damar from Pesisir Selatan and Application for Producing Varnishes	The Effect of Moisture Content on the Yield of Sweet Passion Fruit (Passiflora ligularis Juss) Seed Oil by Mechanical Extraction	Removal of Chromium (VI) and Chromium (III) by Using Chlorella Sp Immobilized at Electroplating Wastewater
16.15-16.30	I Ketut Budaraga (Eka Sakti University)	Gunarif Taib, Purnama Dini Hari (Andalas University)	Lia Angraeni, Rina Sriwati, Susanna (Teuku Umar University)	Gustiarini Rika P, Maryam, Hartami Dewi (ATI Polytechnic)	Food Technology	Tivany Edwin, Ronal Nata Kusuma, Vera Surtia Bachtiar, Denny Helard, Puti Sri Komala (Andalas University)
	Study Catechins of Green Tea Dipped Mixed Kelor Leaves	Analysis of Development of Commodity-Based Local Food Products	Application of Various Species of Trichoderma spp. in Composting Cocoa Fruit Rind Contaminated Phytophthora palmivora	Technical analysis of Liquid Sugar Production Process of Raw Sago Starch Using the Enzymatic Hidrolysis Method of Pilot Plant Scale	Effectiveness Test of Red Dragon Fruit Skin (Hylocereus costaricensis, Jack) as Natural Preservation for Nila Fish (Oreochromis niloticus)	The Use Personal Protective Equipment (PPE) for Farmers Around Lake Diatas of West Sumatera
16.30-16.45	Ika Dyah Kumalasari, Imam Santosa, Endah Sulistiawati (Ahmad Dahlan University)		Widodo, Oki Wijaya, Austi Palupi (Muhammadiyah Yogyakarta University)		Tri Yuliana, Violita Widyaningtyas, Tita Rialita, Heni Radiani (University Of Padjadjaran)	Food Technology
	Coconut Oil Production with Various Roasting Temperatures and Dried Grated Coconut as a By-Product		Energy Sufficiency in the Watumalang District, Wonosobo Regency		Antimicrobial Activity Test of Basil Leaf Extract (Ocimum sanctum L.) Againsts Escherichia coli and Aspergillus niger and Its Application in Wet Noodle	Yossie Kharisma Dewi, Tuty Anggraini, Kesuma Sayuti (University Of Riau)
						Sponge Cake Characteristic Basis Ingredients of Red, Black and White Rice Flours from Several Districs in West Sumatera
CLOSING REMARKS (BALLROOM)						

## 1. Poster List

NO	AUTHOR	TITLE	ORIGIN UNIVERSITY
1	Siti Maryam Shamsi, Hairul Barriyah Abdullah, Lilywati Bakar	Development of Integrated EC and pH Sensor for Low-Cost Fertigation Monitoring System	University Teknologi Mara Kampus Jasin-Malaysia
2	Elfi Anis Saati, Nisa Rahmawati, Mochammad Wachid, Vrita Amroin	The Making Beverage Powder of Anthocyanin Pigment from Rose's Extract Using Foam Mat Drying Method	Muhammadiyah Malang University-Indonesia
3	Latifa Siswati, Rini Nizar, Enny Insusanty	Source Of Farmers 'Income In The Sustainable Palm Oil Replanting In Riau Province	Lancang Kuning University- Indonesia
4	Thelma D. J. Tuju, Ezra A. Emeline, Mercy I. R. Taroreh	Effect Of Brokoli ( <i>Brassica Oleracea Var. Italica</i> ) Inhibiting Fat Oxidation On Nugget Tempe Soybean During Storage	Sam Ratulangi University- Indonesia
5	Tineke Langi, Cenny Br Pandiangan, Teltje Koapaha, Dekie Rawung	High Fiber Food Bar Based On Coconut Pulp Flour and Yellow Sweet Potato Flour With Addition Fruit Dragon	Sam Ratulangi University- Indonesia
6	Teltje Koapaha, Herry Fritrs Pinatik, Dedie Tooy, Tineke Marlyin Langi	Wet Noodle Preservative Technology With Coconut Shell Liquid Smoke	Sam Ratulangi University- Indonesia
7	Kanlaya Sripong, Thanwalee Srinon Khankamon Ketkaew, Pongphen Jitareerat	Impacts of paraffin wax and propolis extract on controlling crown rot disease and maintaining postharvest quality of banana	King Mongkut's University of Technology Thonburi- Thailand
8	Nimitkeatkai, HPotaros, T.	Characterization of bacterial cellulose (Nata de coco) from lychee	Srinakharinwirot University-Thailand
9	Prakaidao Yingsanga, Chairat Techavutiporn	Effect of short-term anoxia treatments on quality changes in fresh cut pineapple cv. Sri-Racha	King Mongkut's University of Technology Thonburi- Thailand
10	Panida Boonyariththongchai, Nichapat Keawmanee	Effectiveness of hot water treatment on maintenance of physical and sensory qualities of fresh-cut ripe mango cv. Nam Dok Mai	King Mongkut's University of Technology Thonburi- Thailand
11	Dwi Rustam Kendarto, Sri Wahyuni., Sophia Dwiratna NP, Nurpilihan Bafdal, Sophia Dwiratna NP., Totok Herwanto	Hydroseeding Development For Revegetation Of Marginal Land: Study Addition of Biodegradable Additives (Guar Gum) to the Capability of Bermuda Grass Seedlings (Bermuda Grass) and Sengon ( <i>Paraserianthes Falcataria</i> I (L.) Nielsen)	University of Padjadjaran- Indonesia
12	Fitry Tafzi, Mursalin, Nur Hasnah AR	Phenolic, Flavonoid Content and Antioxidant Activity of <i>Sonneratia caseolaris</i> Leaf Extract as Affected Temperature and pH	University Of Jambi

<b>NO</b>	<b>AUTHOR</b>	<b>TITTLE</b>	<b>ORIGIN UNIVERSITY</b>
13	Shanti Fitriani, Vonny Setiaries Johan, Mitha Gusfriani	Formulation of Sago Starch-Based Batter on Physicochemical and Sensory Properties of Popcorn Chicken	University Of Riau
14	Yusmarini, Shanti Fitriani, Vonny Setiaries Johan, Rahmayuni, Vita F. Artanti	Utilization of Lactobacillus plantarum 1 and Natural Dyes from Plants in the Production of Probiotic Tapai	<b>(University Of Riau)</b>

2.





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**FACULTY OF AGRICULTURAL TECHNOLOGY  
ANDALAS UNIVERSITY**

**THE CERTIFICATE IS PRESENTED TO**

**EDI ERWAN**

**as Presenter**

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